QC ABSTRACT

NAME OF WORK: Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (230mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	RCC(M20)	Compressive Strength(7days and 28days)	3 set /15-30 cum	20.64	6	6
9	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	4 set /31-100 cum	33	8	8

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2023-02-21-11** **Date: 15-01-22**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	13-01-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.85	-
2	Finess by Air permeablity method (m^2/kg,Min)	348.6	225m^2/kg, Min
3	Density (gm/cc)	3.15	-
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Agency/Representative

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2023-02-21-11** **Date: 10-02-22**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	13-01-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-02-21-11** **Date: 16-01-22**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	12-01-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	12-01-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	215	215	1.4	98.6	90-100
3	20 mm	7455	7670	51.1	48.9	30-70
4	10 mm	4266	11936	79.6	20.4	10-35
5	4.75 mm	2844	14780	98.5	1.5	0-5
6	Pan	220	15000	100.0	0	---

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2023-02-21-11 **Date: 14-01-22**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-22
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	12-01-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	35	35	3.5	96.5	90-100	90-100	90-100	95-100
3	2.36 mm	48	83	8.3	91.7	60-95	75-100	85-100	95-100
4	1.18 mm	228	311	31.1	68.9	30-70	55-90	75-100	90-100
5	600 micron	202	513	51.3	48.7	15-34	35-59	60-79	80-100
6	300 micron	198	711	71.1	28.9	5-20	8-30	12-40	15-50
7	150 micron	195	906	90.6	9.4	0-10	0-10	0-10	0-15
8	Pan	94	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2023-02-21-11** **Date: 14-01-22**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-22
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	13-01-22

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	520	625	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	536	685	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	552	693	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 23/01/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-01-22
Customer ID	:	Drain Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft	M20	16/01/2022	23/01/2022	151.74 X 149.50 X 150.75	22686	8.402	416.7	18.4	18.5
2	Drain Bottom Raft	M20	16/01/2022	23/01/2022	149.31 X 149.71 X 151.01	22353	8.516	406.6	18.2	
3	Drain Bottom Raft	M20	16/01/2022	23/01/2022	149.77 X 150.33 X 150.51	22515	8.359	423.4	18.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 13/02/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-01-22
Customer ID	:	Drain Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date of test : 13/02/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft	M20	16/01/2022	13/02/2022	150.20 X 151.61 X 151.85	22772	8.216	538.4	23.6	23.2
2	Drain Bottom Raft	M20	16/01/2022	13/02/2022	150.05 X 151.34 X 150.53	22707	8.888	517.6	22.8	
3	Drain Bottom Raft	M20	16/01/2022	13/02/2022	151.09 X 149.27 X 149.94	22553	8.295	525.8	23.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 24/01/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-01-22
Customer ID	:	Drain Side Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall	M20	17/01/2022	24/01/2022	151.78 X 149.49 X 151.83	22690	8.948	412.5	18.2	18.3
2	Drain Side Wall	M20	17/01/2022	24/01/2022	151.22 X 151.11 X 149.26	22850	8.481	426.0	18.6	
3	Drain Side Wall	M20	17/01/2022	24/01/2022	149.94 X 151.70 X 149.82	22746	8.270	412.2	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-01-22
Customer ID	:	Culvert Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date: 25/01/2022

Date of test : 25/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Culvert Bottom Raft	M20	18/01/2022	25/01/2022	149.62 X 149.15 X 151.86	22316	8.713	411.6	18.4	18.5
2	Culvert Bottom Raft	M20	18/01/2022	25/01/2022	151.48 X 149.06 X 150.87	22579	8.294	422.0	18.7	
3	Culvert Bottom Raft	M20	18/01/2022	25/01/2022	150.24 X 151.90 X 150.03	22822	8.641	415.8	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 15/02/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-01-22
Customer ID	:	Culvert Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date of test : 15/02/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Raft	M20	18/01/2022	15/02/2022	151.53 X 151.70 X 151.92	22986	8.898	535.3	23.3	23.2
2	Culvert Bottom Raft	M20	18/01/2022	15/02/2022	150.78 X 150.05 X 149.52	22625	8.669	508.6	22.5	
3	Culvert Bottom Raft	M20	18/01/2022	15/02/2022	151.05 X 150.32 X 151.35	22705	8.930	539.5	23.8	

* The results obtained are satisfactory as per standard requirements.

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 28/01/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-01-22
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	21/01/2022	28/01/2022	151.52 X 151.15 X 151.48	22902	8.440	574.0	25.1	25.3
2	Cement Concrete Pavement	M30	21/01/2022	28/01/2022	150.99 X 149.13 X 150.67	22517	8.401	592.5	26.3	
3	Cement Concrete Pavement	M30	21/01/2022	28/01/2022	149.77 X 151.15 X 149.72	22637	8.752	555.3	24.5	

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AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Road of Hosabheedhi 2nd Cross Appayanna Road in Kempegowda Ward No-01 of Yelahanka Sub Division
Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-01-22
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date: 18/02/2022

Date of test : 18/02/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	149.91 X 150.73 X 151.21	22595	9.080	765.3	33.9	33.1
2	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	151.93 X 151.25 X 149.28	22979	8.110	742.3	32.3	
3	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	149.67 X 149.78 X 149.49	22418	8.929	742.8	33.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-11** **Date: 18/02/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
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Agency	:	Sri. Bharath G R (S R Constructions), Ground Floor No:1362, 15th Main, 22nd Cross A Block, Sahakarnagara, Bangalore-560092
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/64/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-01-22
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/02/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	150.64 X 150.83 X 151.11	22721	8.827	759.9	33.4	33.1
2	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	149.22 X 151.53 X 150.65	22612	8.811	728.9	32.2	
3	Cement Concrete Pavement	M30	21/01/2022	18/02/2022	151.35 X 149.03 X 149.22	22556	8.300	760.3	33.7	

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